

**Name:**

**Math 2**

**Date:**

**Practice Quiz 8-A**

1. You are in a group of 50 students that includes 31 taking Biology, 21 taking Chemistry, and 9 not taking either course.

a) Put this information into a two-way table.

b) Put this information into a Venn diagram.

2. The 50 students arrive in random order. Express the probability of the following as unreduced fractions.

a) The first student to arrive is taking Biology.

b) You are one of the first 10 students to arrive.

c) The second student to arrive is taking Chemistry.

d) You are not one of the first 10 students to arrive.

e) The first student to arrive is taking Biology or Chemistry.

f) The first Biology student to arrive is also taking Chemistry.

g) The first student to arrive is taking Biology but not Chemistry.

h) The first student to arrive is taking Biology, given the fifth student is not.

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